

Scaled data based on original data using
LM-46-04 Photometric Testing of Indoor Luminaires Using High Intensity Discharge or
Incandescent Filament Lamps (Reaffirmed 2012)

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: H37041

Luminaire Tested: **H600T-1673P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: H37041
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: H600T-1673P
Description: HALO RECESSED DOWNLIGHT
BRIGHT DIPPED & ANODIZED REFLECTOR
FRESNEL GLASS LENS - LOW SOCKET SETTING
Light Source: 100A19 100 WATTS 1750 LUMENS
A19 INSIDE FROSTED
Ballast/Driver: -

Summary

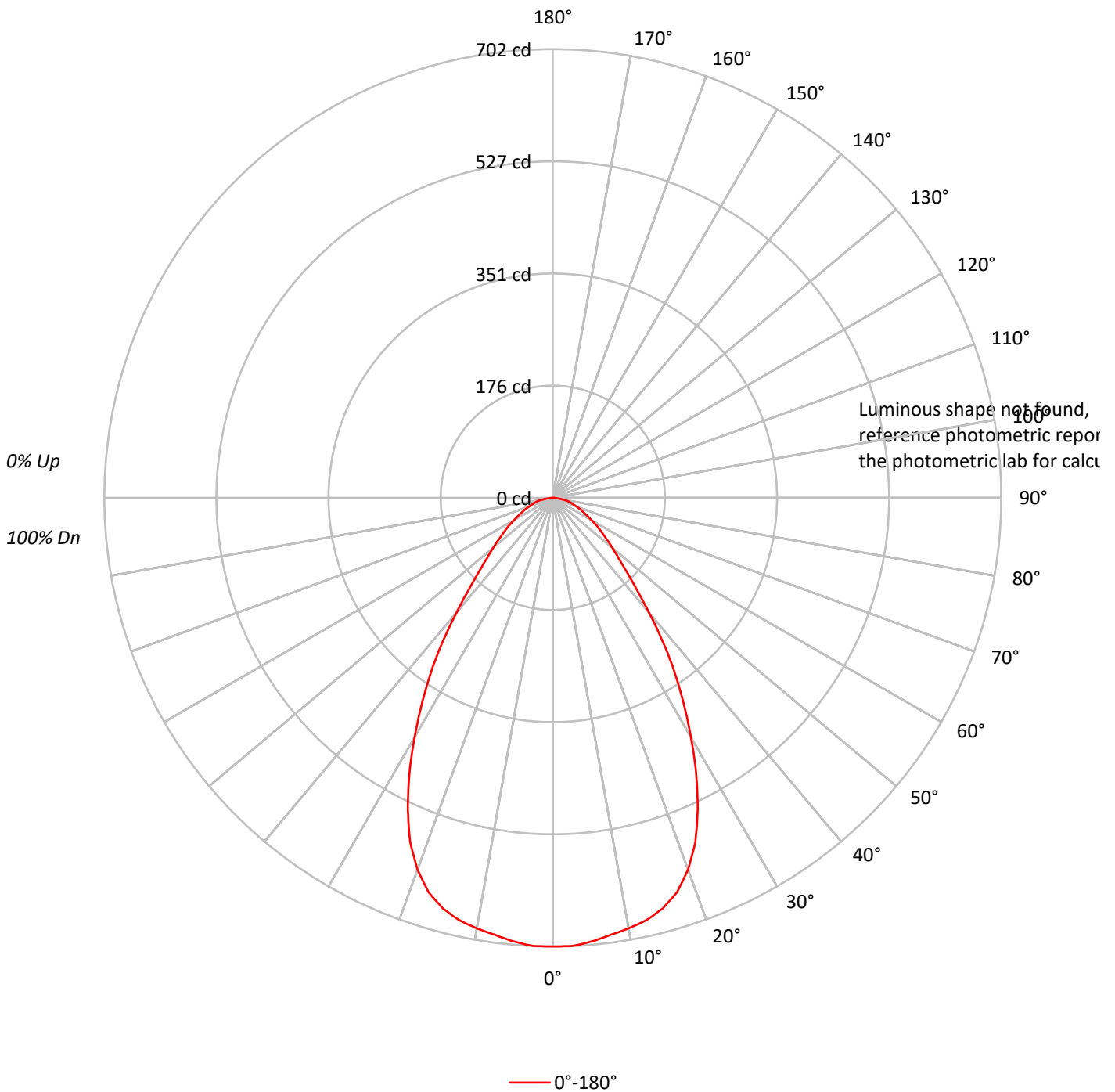
Lumens per Lamp: 1750 (1 lamp)
Luminaire Lumens: 1005.2 lumens
Efficiency: 57.4%
Efficacy: 10.1 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1
Luminous Opening: (L: 0 ' x W: -0.52 ' x H: 0 '
CIE Type: Direct

Input Watts (W): 100
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	68	68	68	68	67	67	67	67	64	64	64		61	61	61		59	59	59	57
1	64	62	60	58	63	61	59	57	58	57	56		56	55	54		54	53	52	51
2	60	56	53	50	58	55	52	50	53	51	49		51	49	48		50	48	47	45
3	56	51	47	44	54	50	47	44	48	45	43		47	44	42		45	43	42	41
4	52	46	42	39	51	46	42	39	44	41	38		43	40	38		42	40	38	36
5	49	43	38	35	47	42	38	35	41	37	35		40	37	34		39	36	34	33
6	46	39	35	32	45	39	35	32	38	34	32		37	34	31		36	33	31	30
7	43	36	32	29	42	36	32	29	35	31	29		34	31	29		34	31	28	27
8	40	34	30	27	39	33	29	27	33	29	26		32	29	26		31	28	26	25
9	38	31	27	25	37	31	27	25	30	27	24		30	27	24		29	26	24	23
10	36	29	25	23	35	29	25	23	29	25	23		28	25	23		28	25	23	22

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	66.1	6.6	3.8
10°-20°	186.2	18.5	10.6
20°-30°	244.1	24.3	13.9
30°-40°	206.1	20.5	11.8
40°-50°	129.3	12.9	7.4
50°-60°	84.1	8.4	4.8
60°-70°	53.0	5.3	3.0
70°-80°	30.2	3.0	1.7
80°-90°	6.0	0.6	0.3
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-30°	496.4	49.4	28.4
0°-40°	702.5	69.9	40.1
0°-60°	916.0	91.1	52.3
0°-90°	1005.2	100.0	57.4
90°-120°	0.0	0.0	0.0
90°-150°	0.0	0.0	0.0
90°-180°	0.0	0.0	0.0
0°-180°	1005.2	100.0	57.4

CANDELA DISTRIBUTION:

	0°	Flux
0°	702	
5°	697	66
15°	665	186
25°	537	244
35°	332	206
45°	163	129
55°	93	84
65°	53	53
75°	29	30
85°	4	6
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0



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CANDELA DISTRIBUTION (FULL):

0°	
0°	702
2.5°	702
5°	697
7.5°	690
10°	684
12.5°	677
15°	665
17.5°	647
20°	619
22.5°	583
25°	537
27.5°	486
30°	432
32.5°	381
35°	332
37.5°	282
40°	234
42.5°	194
45°	163
47.5°	139
50°	122
52.5°	106
55°	93
57.5°	82
60°	70
62.5°	61
65°	53
67.5°	46
70°	39
72.5°	33
75°	29
77.5°	24
80°	18
82.5°	7
85°	4
87.5°	2
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	0
105°	0
107.5°	0
110°	0



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CANDELA DISTRIBUTION (continued):

	0°
112.5°	0
115°	0
117.5°	0
120°	0
122.5°	0
125°	0
127.5°	0
130°	0
132.5°	0
135°	0
137.5°	0
140°	0
142.5°	0
145°	0
147.5°	0
150°	0
152.5°	0
155°	0
157.5°	0
160°	0
162.5°	0
165°	0
167.5°	0
170°	0
172.5°	0
175°	0
177.5°	0
180°	0

(END OF REPORT)